

Coastal Storm

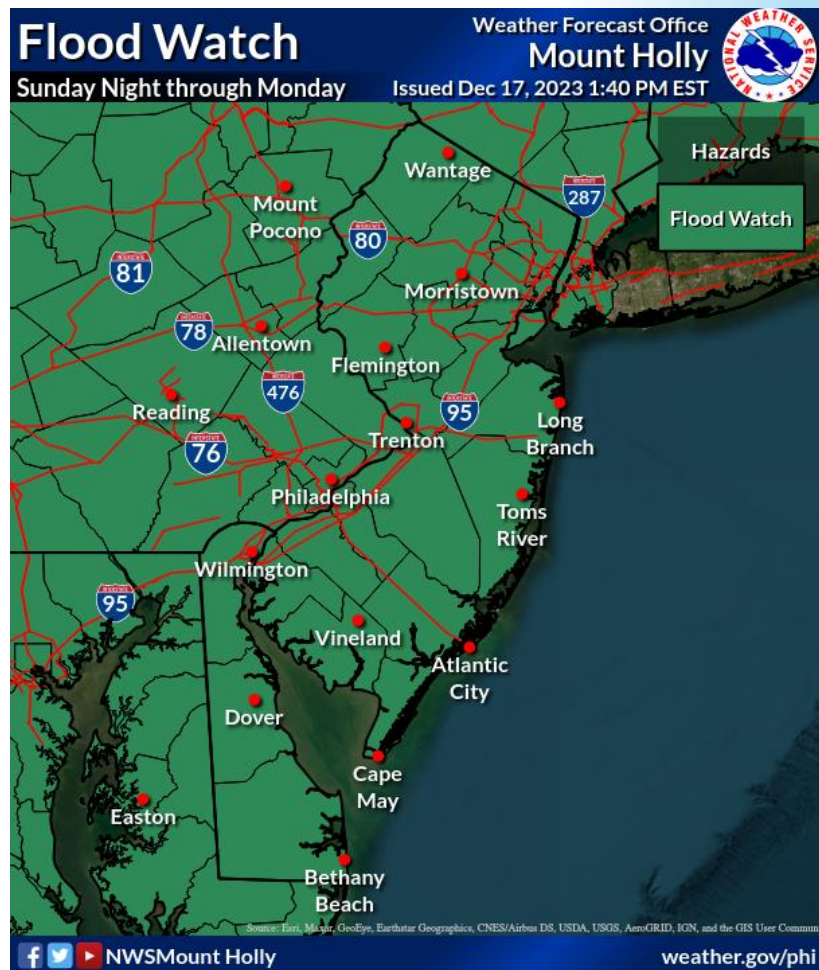
December 17-18, 2023

Decision Support Briefing #5





As of: 5:00 PM,
December 17, 2023

What Has Changed?

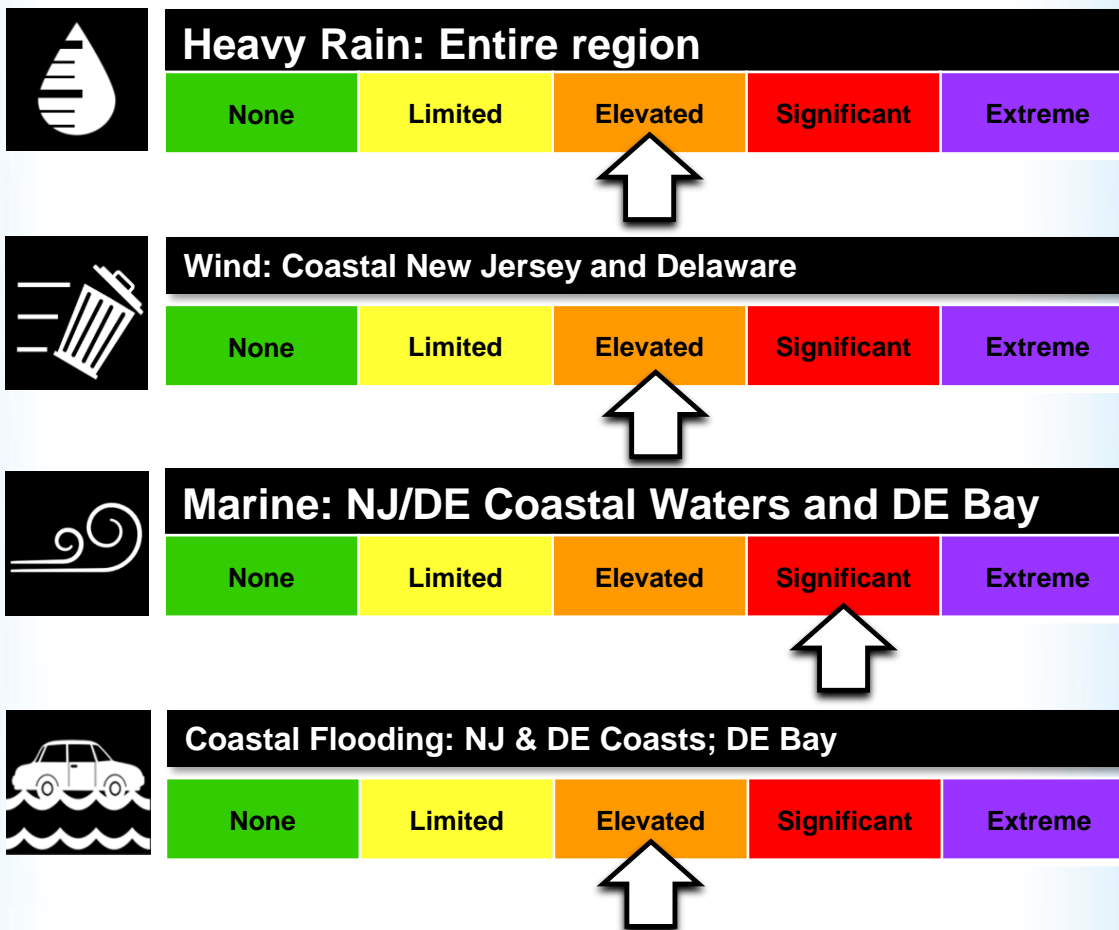
- ✓ Rainfall totals have been increased slightly.
- ✓ Some moderate river flooding is now forecasted.
- ✓ Refined parts of the Coastal Flooding forecast.



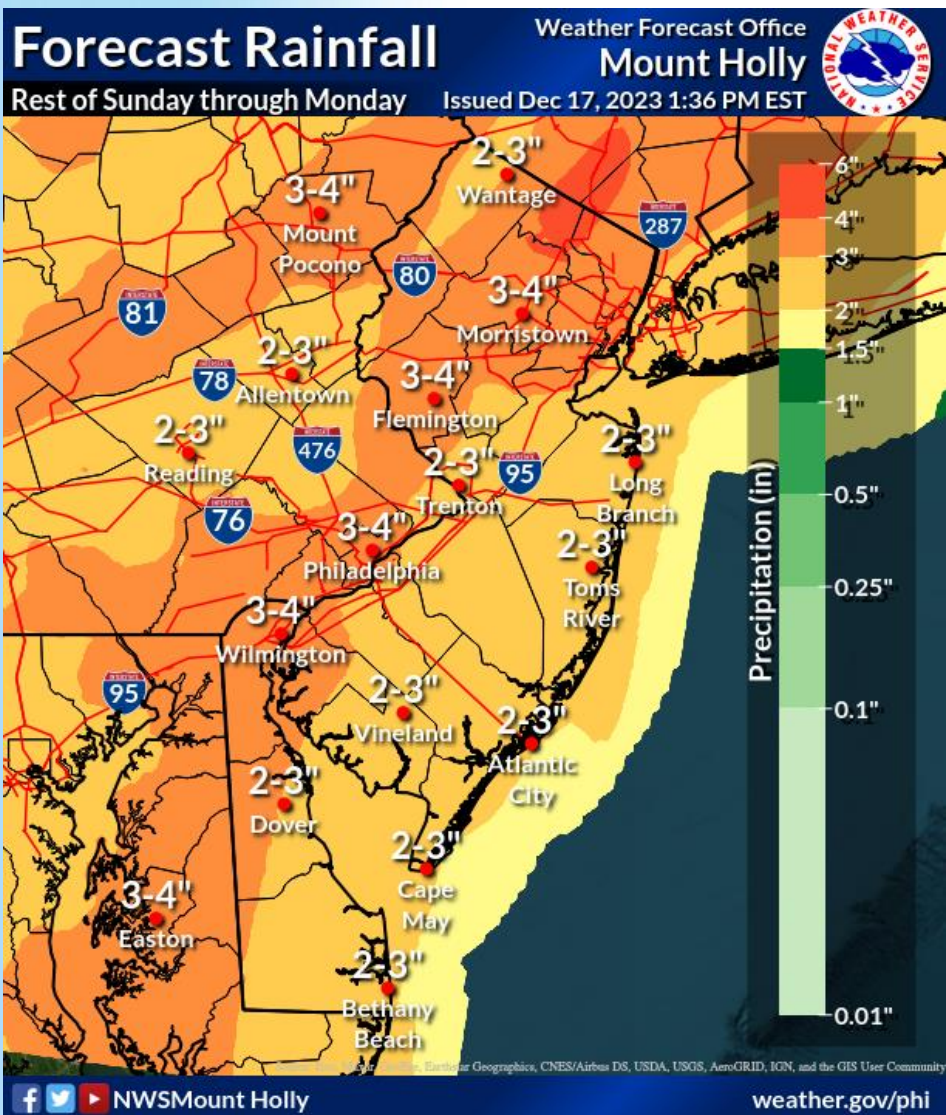
Main Points

Hazard	Impacts	Location	Timing
Heavy Rain 	<p>Widespread 2 to 4 inches.</p> <p>Urban & small stream flooding, along with minor river flooding likely. Some moderate river flooding possible.</p>	<p>Our entire region.</p>	<p>Heaviest rain will be from late Sunday night through early Monday morning.</p> <p>Some rivers may continue to rise into Monday night or Tuesday.</p>
Wind 	<p>Strong winds may bring some tree limbs down, resulting in some power outages.</p>	<p>Inland areas: 35-45 mph gusts.</p> <p>Coastal areas: up to 50 mph gusts.</p>	<p>Tonight and Monday.</p>
Marine 	<p>Gale-force winds. Dangerous seas building to 14-18 feet; lower on Delaware Bay.</p>	<p>All Atlantic coastal waters of New Jersey and Delaware, including Delaware Bay.</p>	<p>Tonight and Monday.</p> <p>Large seas lingering into Tuesday.</p>
Coastal Flooding 	<p>Widespread MINOR coastal flooding. MODERATE coastal flooding along Delaware Bay.</p>	<p>Atlantic coasts of New Jersey and Delaware, and Delaware Bay.</p>	<p>Greatest threat for DE Bay with high tide cycle later tonight. Minor flooding threat elsewhere with midday Monday high tide.</p>

Summary of Greatest Impacts



Storm Total Rainfall Amounts



Rainfall has begun in some locations. The heaviest rain will fall late Sunday night into early Monday morning.

Widespread 2 to 4 inches of rain. Heaviest amounts to the N and W of I-95. Lower amounts near the coast.

IMPACTS: Urban & small stream flooding along with river flooding is likely (see next slide for river flooding information).

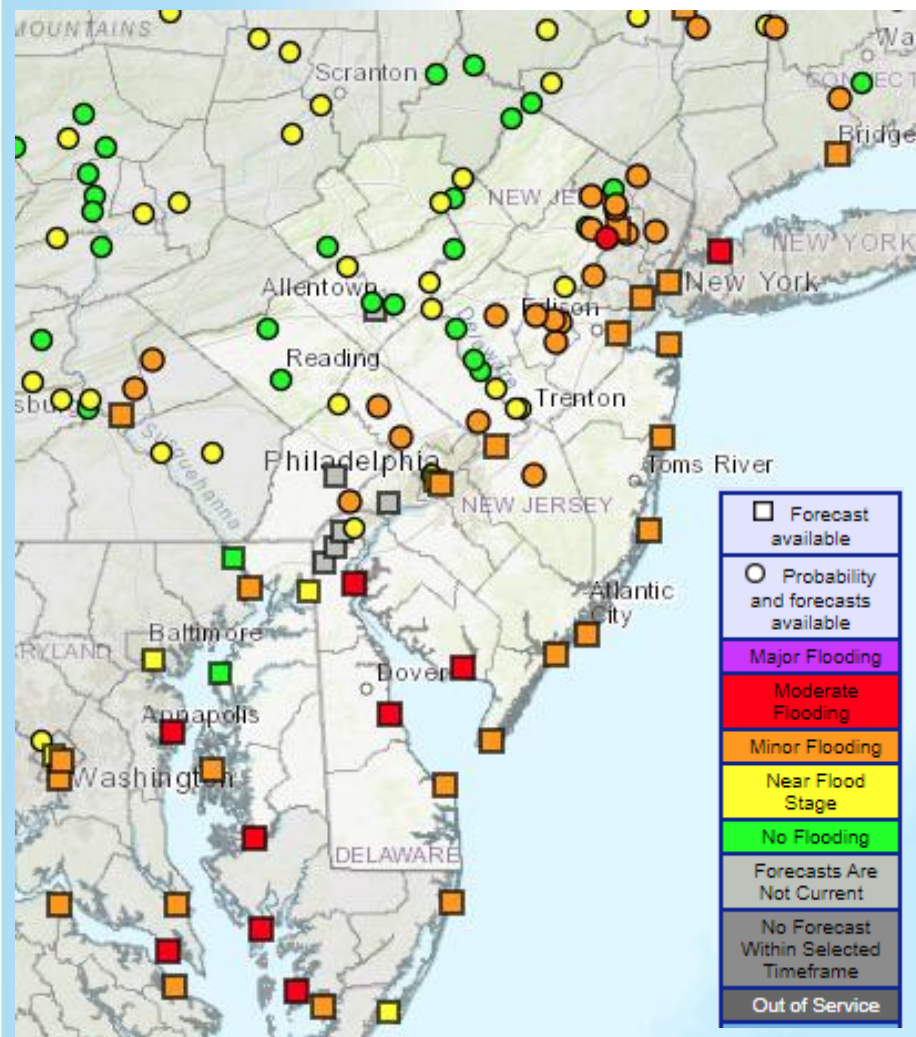
Higher hourly rainfall rates later tonight could enhance the urban flooding threat.

Widespread Minor River Flooding Likely, Moderate Possible

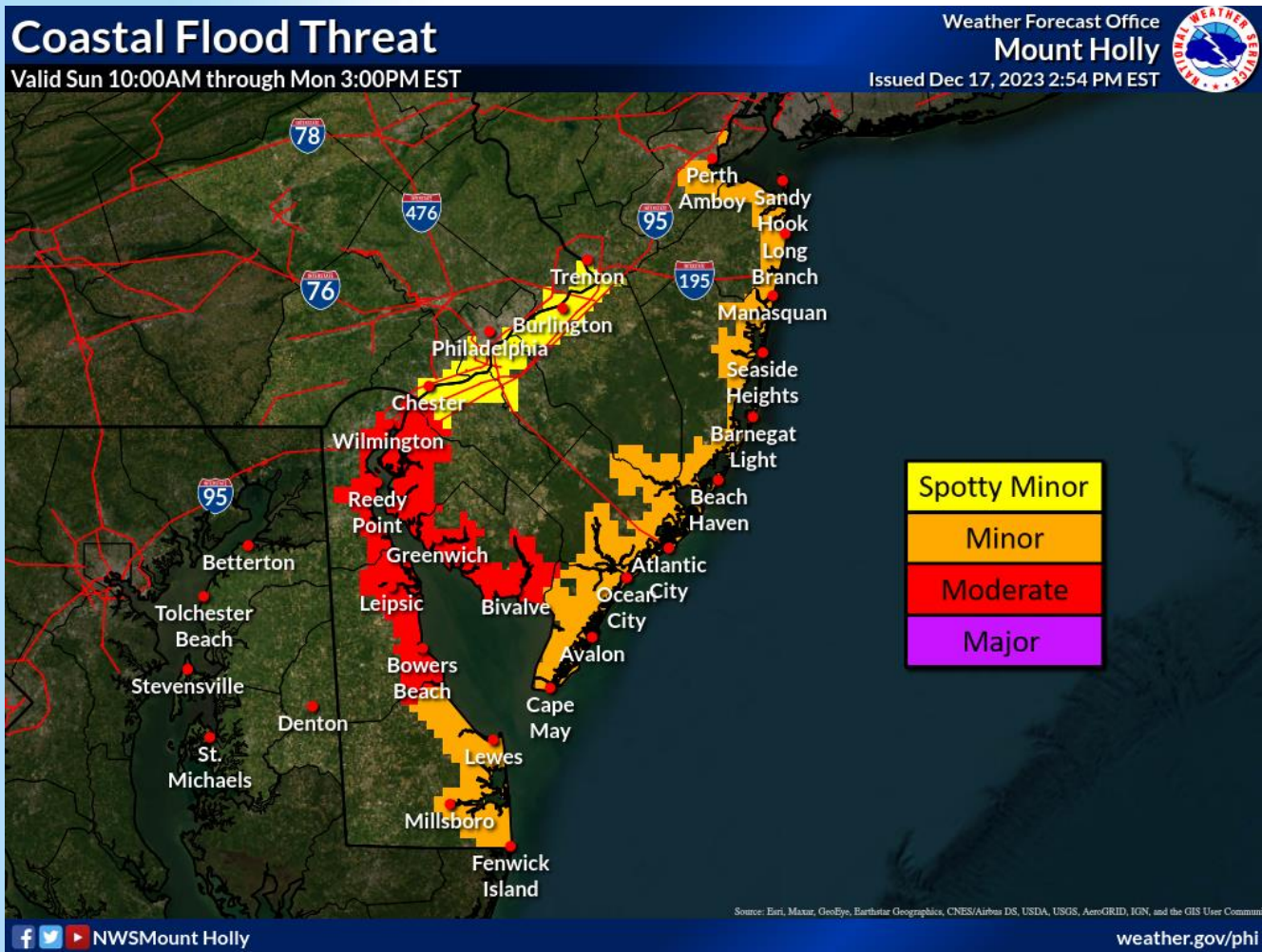
Widespread minor river flooding is likely beginning late Sunday night into all day Monday. Some moderate river flooding is possible.

River levels may continue to rise after the rain ends on Monday, with some rivers forecasted to crest as late as Monday night through Tuesday.

For the latest river forecasts, visit water.weather.gov



Coastal Flooding



The greatest threat for areas near Delaware Bay will occur with late tonight's high tide cycle, with **moderate** flooding forecast.

Elsewhere, **Minor** coastal flooding may occur with the Midday Monday high tide.

Localized **Moderate** coastal flooding possible on back bays of Barnegat Bay Monday afternoon.

Coastal Flood Hazards

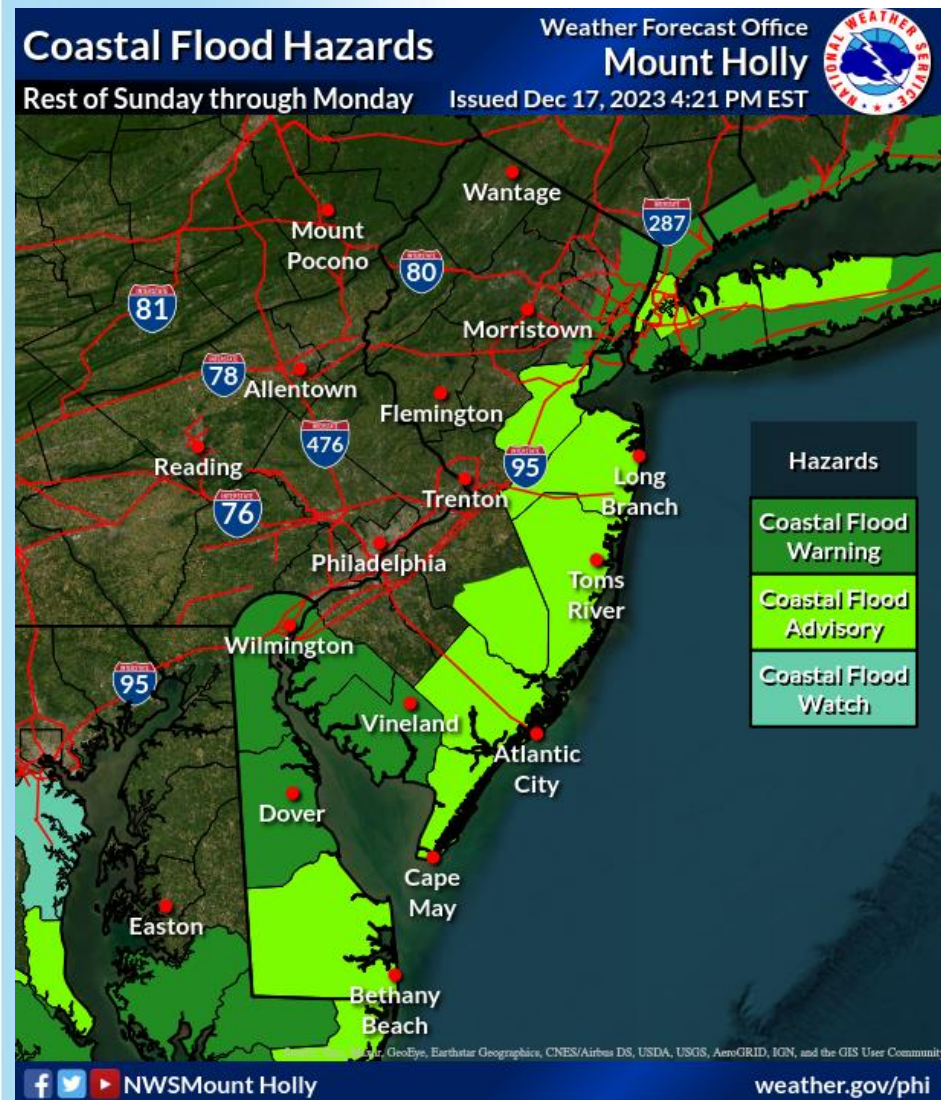
Some locations have already experienced spotty minor flooding during the Sunday high tide cycle.

Coastal Flood Warning

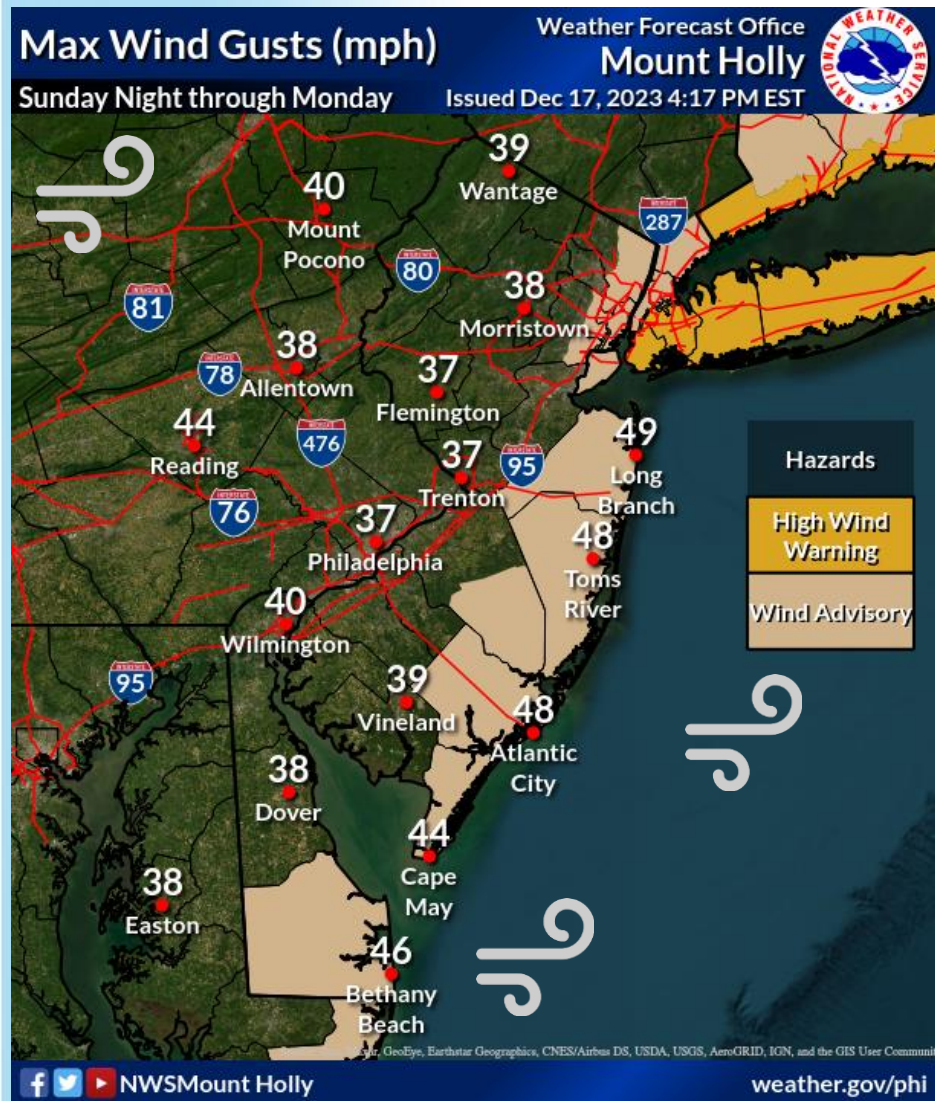
Locally **MODERATE** flooding is forecast along portions of Delaware Bay during the late Sunday night high tide cycle.

Coastal Flood Advisory

Another round of minor flooding is projected with high tide cycles late Sunday night, and especially midday Monday into the afternoon.



Gusty Winds Sunday Night - Monday



Wind Advisory

East to southeast winds will gust up to 50 mph tonight through early Monday morning along the coast.

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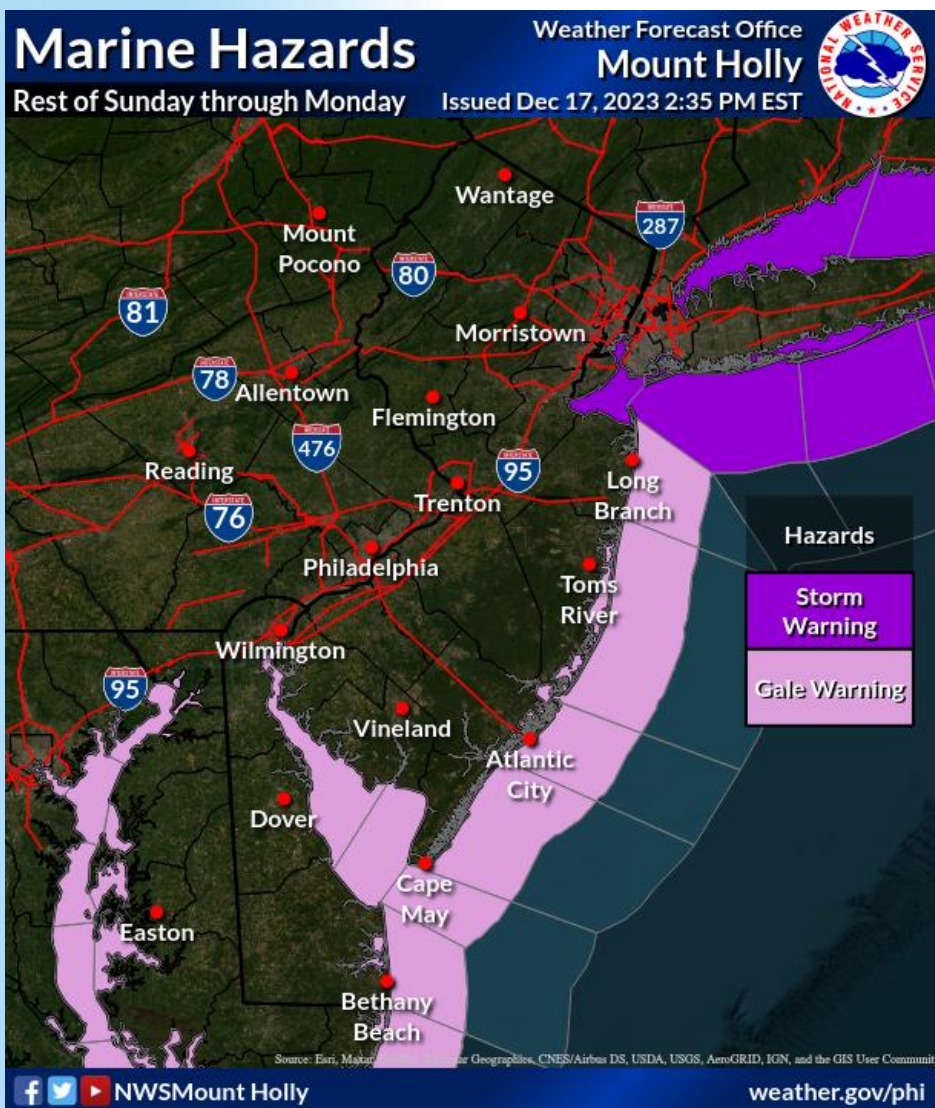
IMPACTS: Strong, gusty winds Sunday Night through Monday could bring some tree limbs down, resulting in localized power outages.

Take extra precaution with outdoor holiday decorations!

Inland: gusts up to 35-45 mph

Coastal areas: Gusts up to 50 mph

Hazardous Seas



Gale Warning

East to southeast winds tonight through early Monday with gusts to 45 knots. **Peak gusts near 50 knots expected late Sunday night through early Monday morning.**

Winds then shift to south and then west by Monday afternoon with gusts 30-40 knots.

Dangerous seas building to 14-18 feet Sunday night and Monday.

Event Summary

- ✓ **Heavy rain** across the entire area, with the heaviest occurring Sunday night into Monday morning. Urban and small stream flooding along with minor river flooding is **LIKELY**. Some moderate river flooding is possible. Higher hourly rainfall rates later tonight could enhance the urban flooding threat.
- ✓ **Minor to locally moderate coastal flooding.** Greatest threat for moderate flooding up Delaware Bay will be late tonight, due to strong southeast winds. The NJ coast and especially back-bays will be more at risk for flooding with high tide midday Monday into the afternoon.
- ✓ **Winds:** East-southeast wind gusts 35-45 mph inland, with gusts up to 50 mph for the coastal counties (Wind Advisory). The strongest winds occur late Sunday night into Monday morning. Gusty westerly winds continue on Monday.
- ✓ **Marine:** Hazardous conditions tonight and Monday, due to strong winds and dangerous seas. Gale Warning in effect.

Contact and Next Briefing Information



Final Briefing
*Unless significant changes to the
forecast occur*

Briefing Webpage:
www.weather.gov/media/phi/current_briefing.pdf



Web:
www.weather.gov/phi



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